

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



527871

(43) International Publication Date
25 March 2004 (25.03.2004)

PCT

(10) International Publication Number
WO 2004/025615 A1

(51) International Patent Classification⁷: **G09G 3/32**

(21) International Application Number:
PCT/IB2003/003511

(22) International Filing Date: 6 August 2003 (06.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02078824.6 16 September 2002 (16.09.2002) EP

(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]**; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JOHNSON, Mark, T. [GB/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN DE WEIJER, Peter [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). HUIBERTS, Johannes, N. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). LIEDENBAUM, Coen, T., H., F. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven**

(NL). GIELKENS, Olaf [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). MEULENKAMP, Eric, A. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VULTO, Simone, I., E. [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

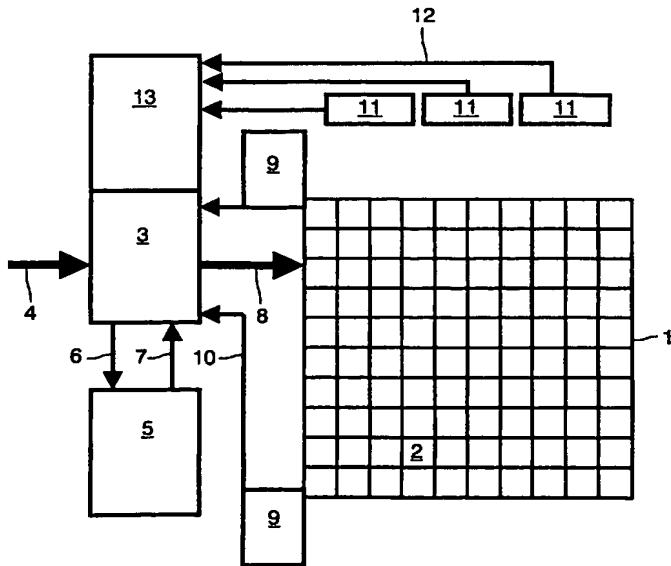
(74) Agent: **DEGUELLE, Wilhelmus, H., G.; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).**

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: DISPLAY DEVICE



WO 2004/025615 A1

(57) Abstract: The invention relates to a display device for displaying an image comprising a plurality of display pixels (2), a controller (3) for generating a driving signal (8) for driving the pixels (2), and sensors (9; 11; 14), wherein the sensors (9; 11; 14) are able to monitor operating conditions of the pixels (2), and the controller (3) is adapted to receive data related to the operating conditions from the sensors (9; 11; 14) to determine a brightness change of the pixels (2) caused by the operating conditions and to generate the driving signal (8) in dependence on the brightness change.